

## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/527,598  
Source: IFWP  
Date Processed by STIC: 2/10/07

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 02/10/2007

PATENT APPLICATION: US/10/527,598

TIME: 09:48:35

Input Set : A:\BCF-001 sequence listing.txt

Output Set: N:\CRF4\02102007\J527598.raw

5 <110> APPLICANT: CENTRE HOSPITALIER DE L'UNIVERSITE DE MONTREAL (CHUM)  
6 GAUDREAU, PIERRETTE  
8 <120> TITLE OF INVENTION: GHRH ANALOGUES  
10 <130> FILE REFERENCE: BCF-001  
12 <140> CURRENT APPLICATION NUMBER: US 10/527,598  
C--> 13 <141> CURRENT FILING DATE: 2005-03-14  
15 <150> PRIOR APPLICATION NUMBER: US 60/411,340  
16 <151> PRIOR FILING DATE: 2002-09-18  
18 <160> NUMBER OF SEQ ID NOS: 67  
20 <170> SOFTWARE: PatentIn version 3.1  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 29  
24 <212> TYPE: PRT  
25 <213> ORGANISM: Artificial sequence  
27 <220> FEATURE:  
28 <223> OTHER INFORMATION: chemically synthesized  
30 <220> FEATURE:  
31 <221> NAME/KEY: misc\_feature  
32 <222> LOCATION: (2)  
33 <223> OTHER INFORMATION: Xaa is Ala or D-Ala  
35 <220> FEATURE:  
36 <221> NAME/KEY: misc\_feature  
37 <222> LOCATION: (8)  
38 <223> OTHER INFORMATION: Xaa is Asn, D-Asn or Ala  
40 <220> FEATURE:  
41 <221> NAME/KEY: misc\_feature  
42 <222> LOCATION: (9)  
43 <223> OTHER INFORMATION: Xaa is Ser or Ala  
45 <220> FEATURE:  
46 <221> NAME/KEY: misc\_feature  
47 <222> LOCATION: (10)  
48 <223> OTHER INFORMATION: Xaa is Tyr or D-Tyr  
50 <220> FEATURE:  
51 <221> NAME/KEY: misc\_feature  
52 <222> LOCATION: (15)  
53 <223> OTHER INFORMATION: Xaa is Gly, Ala or D-Ala  
56 <220> FEATURE:  
57 <221> NAME/KEY: misc\_feature  
58 <222> LOCATION: (21)  
59 <223> OTHER INFORMATION: Xaa is Lys or D-Lys  
61 <220> FEATURE:  
62 <221> NAME/KEY: misc\_feature  
63 <222> LOCATION: (22)

*see pg 6-7*

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Input Set : A:\BCF-001 sequence listing.txt

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64 <223> OTHER INFORMATION: Xaa is Leu, D-Leu, Lys or Ala
66 <400> SEQUENCE: 1
W--> 68 Tyr Xaa Asp Ala Ile Phe Thr Xaa Xaa Xaa Arg Lys Val Leu Xaa Gln
69   1           5           10           15
W--> 71 Leu Ser Ala Arg Xaa Xaa Leu Gln Asp Ile Met Ser Arg
72           20           25
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 30
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: chemically synthesized
82 <220> FEATURE:
83 <221> NAME/KEY: misc_feature
84 <222> LOCATION: (2)
85 <223> OTHER INFORMATION: Xaa is Ala or D-Ala
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (8)
90 <223> OTHER INFORMATION: Xaa is Asn, D-Asn or Ala
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (9)
95 <223> OTHER INFORMATION: Xaa is Ser or Ala
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (10)
100 <223> OTHER INFORMATION: Xaa is Tyr or D-Tyr
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (15)
105 <223> OTHER INFORMATION: Xaa is Gly, Ala or D-Ala
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (21)
110 <223> OTHER INFORMATION: Xaa is Lys or D-Lys
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (22)
115 <223> OTHER INFORMATION: Xaa is Leu, D-Leu, Lys or Ala
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (30)
120 <223> OTHER INFORMATION: Xaa is any amino acid residue
122 <400> SEQUENCE: 2
W--> 124 Tyr Xaa Asp Ala Ile Phe Thr Xaa Xaa Xaa Arg Lys Val Leu Xaa Gln
125   1           5           10           15
W--> 127 Leu Ser Ala Arg Xaa Xaa Leu Gln Asp Ile Met Ser Arg Xaa
128           20           25           30

```

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Input Set : A:\BCF-001 sequence listing.txt

Output Set: N:\CRF4\02102007\J527598.raw

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130 <210> SEQ ID NO: 3
131 <211> LENGTH: 31
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: chemically synthesized
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (2)
141 <223> OTHER INFORMATION: Xaa is Ala or D-Ala
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: (8)
146 <223> OTHER INFORMATION: Xaa is Asn, D-Asn or Ala
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (9)
151 <223> OTHER INFORMATION: Xaa is Ser or Ala
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (10)
156 <223> OTHER INFORMATION: Xaa is Tyr or D-Tyr
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (15)
161 <223> OTHER INFORMATION: Xaa is Gly, Ala or D-Ala
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (21)
166 <223> OTHER INFORMATION: Xaa is Lys or D-Lys
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (22)
171 <223> OTHER INFORMATION: Xaa is Leu, D-Leu, Lys or Ala
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (30 and 31)
176 <223> OTHER INFORMATION: Xaa is any amino acid residue
179 <400> SEQUENCE: 3
W--> 181 Tyr Xaa Asp Ala Ile Phe Thr Xaa Xaa Xaa Arg Lys Val Leu Xaa Gln
      182 1 5 10 15
W--> 184 Leu Ser Ala Arg Xaa Xaa Leu Gln Asp Ile Met Ser Arg Xaa Xaa
      185 20 25 30
187 <210> SEQ ID NO: 4
188 <211> LENGTH: 32
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: chemically synthesized

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195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (2)
198 <223> OTHER INFORMATION: Xaa is Ala or D-Ala
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: (8)
203 <223> OTHER INFORMATION: Xaa is Asn, D-Asn or Ala
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (9)
208 <223> OTHER INFORMATION: Xaa is Ser or Ala
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: (10)
213 <223> OTHER INFORMATION: Xaa is Tyr or D-Tyr
215 <220> FEATURE:
216 <221> NAME/KEY: misc_feature
217 <222> LOCATION: (15)
218 <223> OTHER INFORMATION: Xaa is Gly, Ala or D-Ala
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (21)
223 <223> OTHER INFORMATION: Xaa is Lys or D-Lys
225 <220> FEATURE:
226 <221> NAME/KEY: misc_feature
227 <222> LOCATION: (22)
228 <223> OTHER INFORMATION: Xaa is Leu, D-Leu, Lys or Ala
230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <222> LOCATION: (30 to 32)
233 <223> OTHER INFORMATION: Xaa is any amino acid residue
235 <400> SEQUENCE: 4
W--> 237 Tyr Xaa Asp Ala Ile Phe Thr Xaa Xaa Xaa Arg Lys Val Leu Xaa Gln
      238   1             5             10             15
W--> 240 Leu Ser Ala Arg Xaa Xaa Leu Gln Asp Ile Met Ser Arg Xaa Xaa Xaa
      241             20             25             30
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244 <211> LENGTH: 33
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: chemically synthesized
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (2)
254 <223> OTHER INFORMATION: Xaa is Ala or D-Ala
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature

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## RAW SEQUENCE LISTING

DATE: 02/10/2007

PATENT APPLICATION: US/10/527,598

TIME: 09:48:35

Input Set : A:\BCF-001 sequence listing.txt

Output Set: N:\CRF4\02102007\J527598.raw

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258 <222> LOCATION: (8)
259 <223> OTHER INFORMATION: Xaa is Asn, D-Asn or Ala
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (9)
264 <223> OTHER INFORMATION: Xaa is Ser or Ala
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (10)
269 <223> OTHER INFORMATION: Xaa is Tyr or D-Tyr
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (15)
274 <223> OTHER INFORMATION: Xaa is Gly, Ala or D-Ala
276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <222> LOCATION: (21)
279 <223> OTHER INFORMATION: Xaa is Lys or D-Lys
281 <220> FEATURE:
282 <221> NAME/KEY: misc_feature
283 <222> LOCATION: (22)
284 <223> OTHER INFORMATION: Xaa is Leu, D-Leu, Lys or Ala
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature
288 <222> LOCATION: (30 to 33)
289 <223> OTHER INFORMATION: Xaa is any amino acid residue
291 <400> SEQUENCE: 5
W--> 293 Tyr Xaa Asp Ala Ile Phe Thr Xaa Xaa Xaa Arg Lys Val Leu Xaa Gln
      294   1           5           10           15
W--> 296 Leu Ser Ala Arg Xaa Xaa Leu Gln Asp Ile Met Ser Arg Xaa Xaa Xaa
      297           20           25           30
W--> 299 Xaa
302 <210> SEQ ID NO: 6
303 <211> LENGTH: 34
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: chemically synthesized
310 <220> FEATURE:
311 <221> NAME/KEY: misc_feature
312 <222> LOCATION: (2)
313 <223> OTHER INFORMATION: Xaa is Ala or D-Ala
315 <220> FEATURE:
316 <221> NAME/KEY: misc_feature
317 <222> LOCATION: (8)
318 <223> OTHER INFORMATION: Xaa is Asn, D-Asn or Ala
320 <220> FEATURE:
321 <221> NAME/KEY: misc_feature
322 <222> LOCATION: (9)

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/527,598DATE: 02/10/2007  
TIME: 09:48:36

FYI

Input Set : A:\BCF-001 sequence listing.txt  
Output Set: N:\CRF4\02102007\J527598.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,8,9,10,15,21,22  
Seq#:2; Xaa Pos. 2,8,9,10,15,21,22,30  
Seq#:3; Xaa Pos. 2,8,9,10,15,21,22,30,31  
Seq#:4; Xaa Pos. 2,8,9,10,15,21,22,30,31,32  
Seq#:5; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33  
Seq#:6; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34  
Seq#:7; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35  
Seq#:8; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36  
Seq#:9; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37  
Seq#:10; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38  
Seq#:11; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38,39  
Seq#:12; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38,39,40  
Seq#:13; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:14; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:15; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:15; Xaa Pos. 43  
Seq#:16; Xaa Pos. 2,8,9,10,15,21,22,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:16; Xaa Pos. 43,44  
Seq#:17; Xaa Pos. 2,9,10,21  
Seq#:18; Xaa Pos. 2,9,10,21,30  
Seq#:19; Xaa Pos. 2,9,10,21,30,31  
Seq#:20; Xaa Pos. 2,9,10,21,30,31,32  
Seq#:21; Xaa Pos. 2,9,10,21,30,31,32,33  
Seq#:22; Xaa Pos. 2,9,10,21,30,31,32,33,34  
Seq#:23; Xaa Pos. 2,9,10,21,30,31,32,33,34,35  
Seq#:24; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36  
Seq#:25; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37  
Seq#:26; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38  
Seq#:27; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38,39  
Seq#:28; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38,39,40  
Seq#:29; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:30; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:31; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38,39,40,41,42,43  
Seq#:32; Xaa Pos. 2,9,10,21,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44  
Seq#:33; Xaa Pos. 2,8,9,10,15,21  
Seq#:34; Xaa Pos. 2,8,9,10,15,21,30  
Seq#:35; Xaa Pos. 2,8,9,10,15,21,30,31  
Seq#:36; Xaa Pos. 2,8,9,10,15,21,30,31,32  
Seq#:37; Xaa Pos. 2,8,9,10,15,21,30,31,32,33  
Seq#:38; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34  
Seq#:39; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35  
Seq#:40; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36  
Seq#:41; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37  
Seq#:42; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/527,598

DATE: 02/10/2007  
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Input Set : A:\BCF-001 sequence.listing.txt  
Output Set: N:\CRF4\02102007\J527598.raw

Seq#:43; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39  
Seq#:44; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40  
Seq#:45; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:46; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:47; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41,42,43  
Seq#:48; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41,42,43  
Seq#:48; Xaa Pos. 44  
Seq#:49; Xaa Pos. 2,8,9,10,15,21  
Seq#:50; Xaa Pos. 2,8,9,10,15,21,30  
Seq#:51; Xaa Pos. 2,8,9,10,15,21,30,31  
Seq#:52; Xaa Pos. 2,8,9,10,15,21,30,31,32  
Seq#:53; Xaa Pos. 2,8,9,10,15,21,30,31,32,33  
Seq#:54; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34  
Seq#:55; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35  
Seq#:56; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36  
Seq#:57; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37  
Seq#:58; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38  
Seq#:59; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39  
Seq#:60; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40  
Seq#:61; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:62; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:63; Xaa Pos. 2,8,9,10,15,21,30,31,32,33,34,35,36,37,38,39,40,41,42,43  
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Seq#:65; Xaa Pos. 2,8,9,10,15,21,22,30  
Seq#:66; Xaa Pos. 2,10,15,30  
Seq#:67; Xaa Pos. 2,8,10,15,22,30



## VERIFICATION SUMMARY

DATE: 02/10/2007

PATENT APPLICATION: US/10/527,598

TIME: 09:48:36

Input Set : A:\BCF-001 sequence listing.txt

Output Set: N:\CRF4\02102007\J527598.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16  
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16  
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16  
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16  
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:32  
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16  
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32  
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:16  
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:32  
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16  
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:32  
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16  
L:542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:32  
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16  
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:32  
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16  
L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:32  
L:714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16  
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:32  
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:16  
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:32  
L:832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:16  
L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:32  
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16  
L:896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:32  
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16  
L:955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:32  
L:988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16  
L:1029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0

## VERIFICATION SUMMARY

DATE: 02/10/2007

PATENT APPLICATION: US/10/527,598

TIME: 09:48:36

Input Set : A:\BCF-001 sequence listing.txt

Output Set: N:\CRF4\02102007\J527598.raw

L:1032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16  
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:1073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:16  
L:1112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:16  
L:1153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:1156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:16  
L:1159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:32  
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:1201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:16  
L:1204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:32  
L:1243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:16  
L:1249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:32  
L:1289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:16  
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:32  
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:1338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16  
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:32  
L:1381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:1384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:16  
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:32  
L:1428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:1431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:16  
L:1434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:32  
L:1473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:1476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:16  
L:1479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:32  
L:1518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:1521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:16  
L:1524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:32  
L:1563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:1566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:16  
L:1569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:32  
L:1608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:1611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:16  
L:1614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:32  
L:1653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:1656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:16  
L:1659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:32  
L:1702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:1705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:16  
L:1753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:1756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:16  
L:1805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:16  
L:1858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
L:1861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:16

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L:1910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:1913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16  
L:1916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:32  
L:1965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:1968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16  
L:1971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:32  
L:2021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:2024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:16  
L:2027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32  
L:2077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:2080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16  
L:2083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:32  
L:2132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:2135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:16  
L:2138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:32  
L:2187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:2190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:16  
L:2193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:32  
L:2242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:2245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:16  
L:2248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:32  
L:2298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:2301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:16  
L:2304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:32  
L:2353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:2356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:16  
L:2359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:32  
L:2408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:2411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:16  
L:2414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:32  
L:2464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:2467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:16  
L:2470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:32  
L:2519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:2522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:16  
L:2525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:32  
L:2569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:2572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:16  
L:2620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0  
L:2623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:16  
L:2672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
L:2675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:16  
L:2724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0  
L:2727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:16  
L:2775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0  
L:2778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:16  
L:2780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:32  
L:2829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0  
L:2832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:16

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L:2835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:32  
L:2884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0  
L:2887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:16  
L:2890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:32  
L:2940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0  
L:2943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:16  
L:2946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:32  
L:2996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:2999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:16  
L:3002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:32  
L:3051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0  
L:3054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:16  
L:3057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:32  
L:3106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0  
L:3109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:16  
L:3112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:32  
L:3160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:3163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16  
L:3166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:32  
L:3215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0  
L:3218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:16  
L:3221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:32  
L:3270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0  
L:3273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:16  
L:3276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:32  
L:3325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0  
L:3328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:16  
L:3331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:32  
L:3380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0  
L:3383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:16  
L:3386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:32  
L:3440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0  
L:3443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:16  
L:3478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0  
L:3481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:16  
L:3525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0  
L:3528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:16